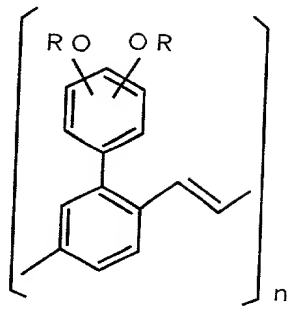
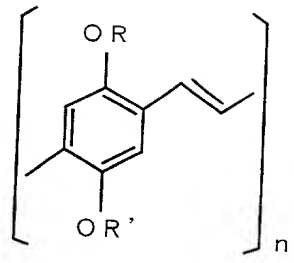
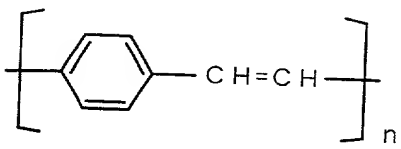
Chem. 1



Chem. 2



Chem. 3



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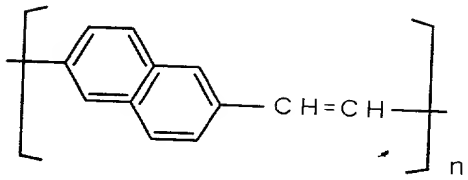
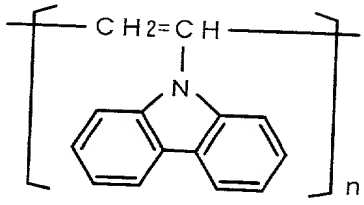


Chem. 5



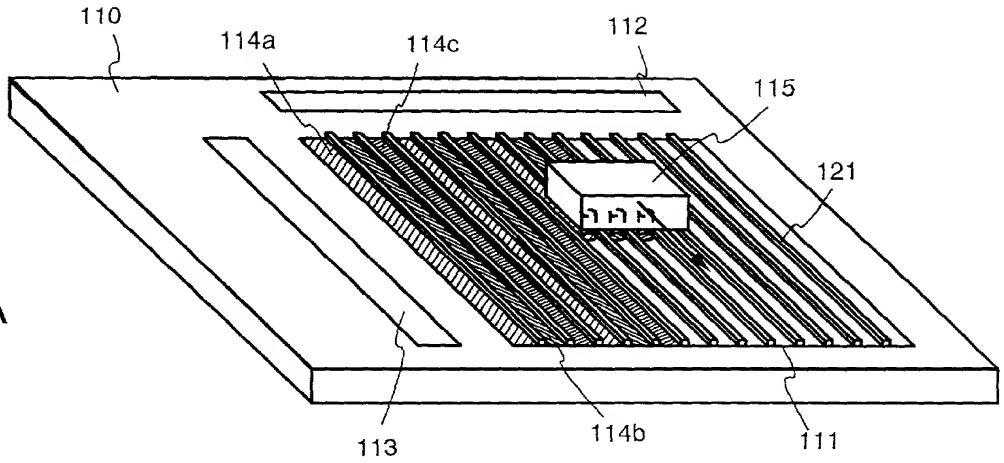


Fig. 1A

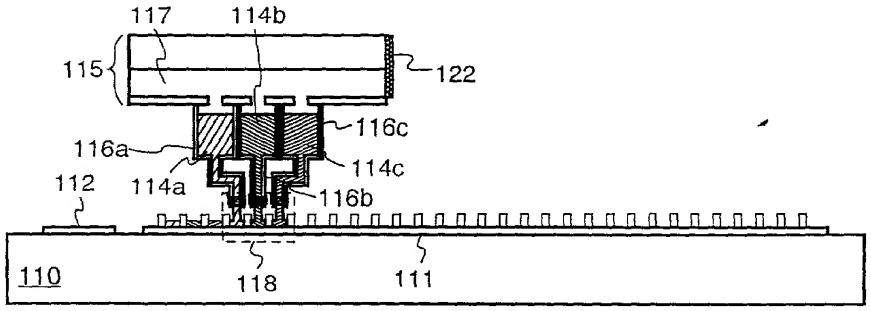


Fig. 1B

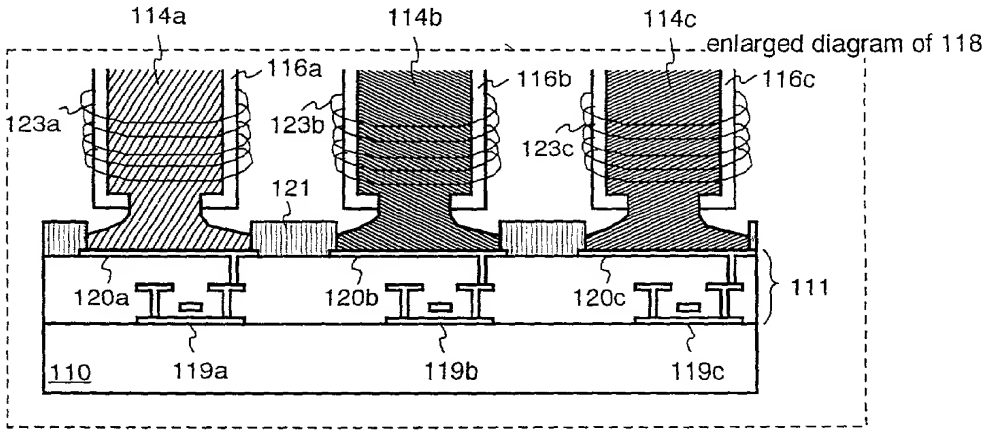
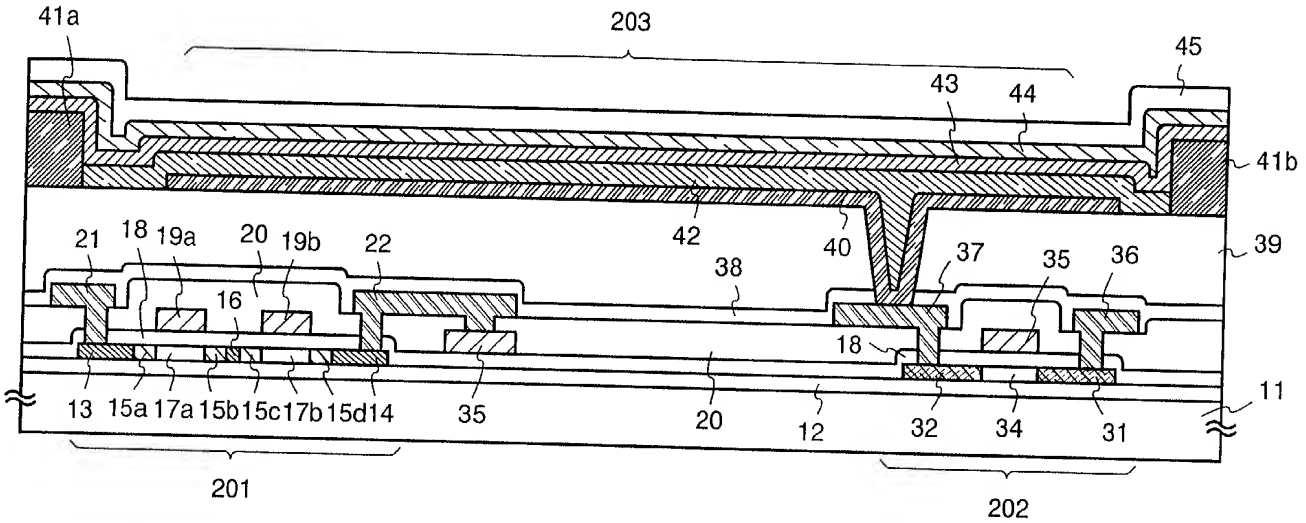


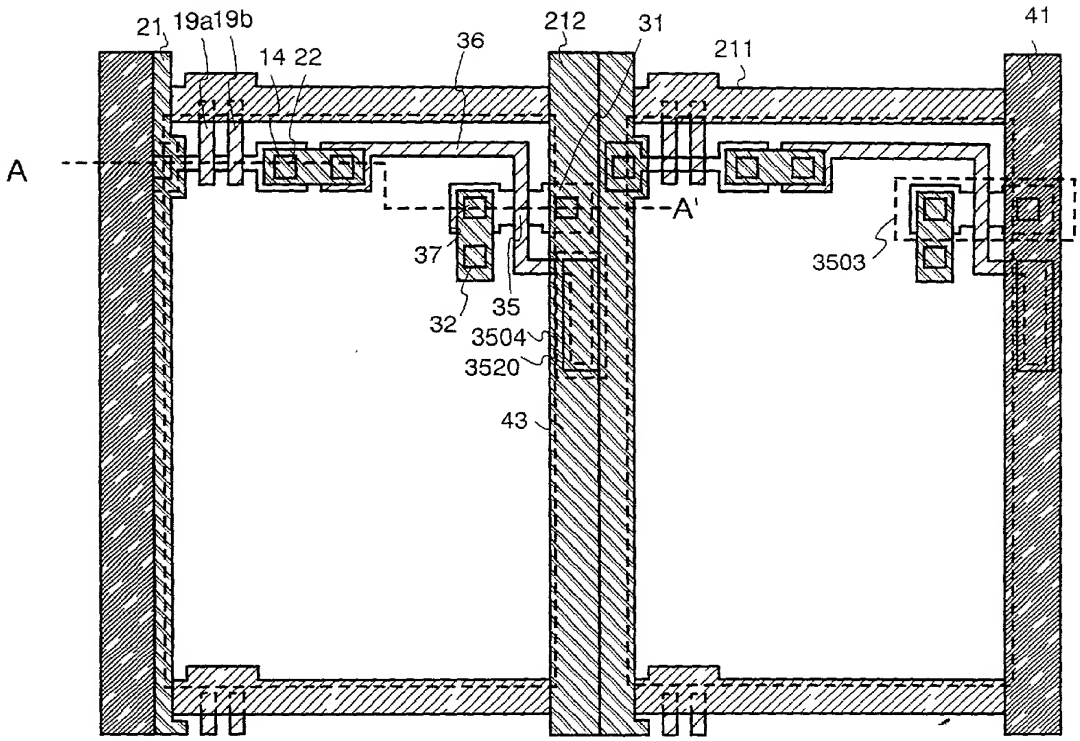
Fig. 1C

TOSHIBA-2003-2



11:substrate 12:base film 13:source region 14:drain region 15a-15d:LDD region
16:high concentration impurity region 17a,17b:channel forming region 18:gate insulating film
19a,19b:gate electrode 20:first interlayer insulating film 21:source wiring 22:drain wiring
23:gate electrode 31:source region 32:drain region 34:channel forming region 35:gate electrode
36:source wiring 37:drain wiring 38:first passivation film 39:second interlayer insulating film
40:pixel electrode(anode) 41:bank 42:EL layer 43:cathode 44:protecting electrode
45:second passivation film

Fig. 2


21
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3503

Fig. 3A

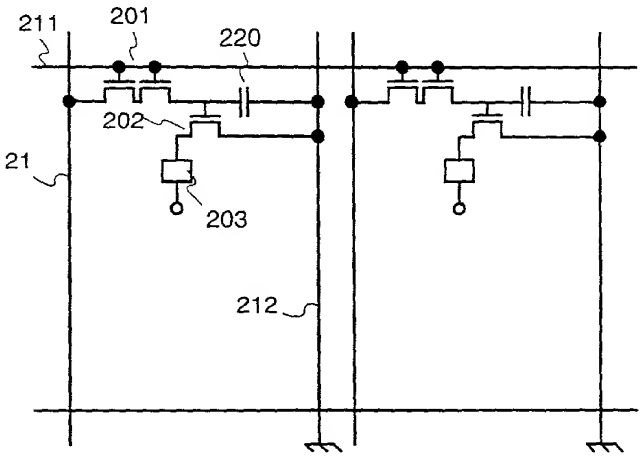
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Fig. 3B

Fig. 4A

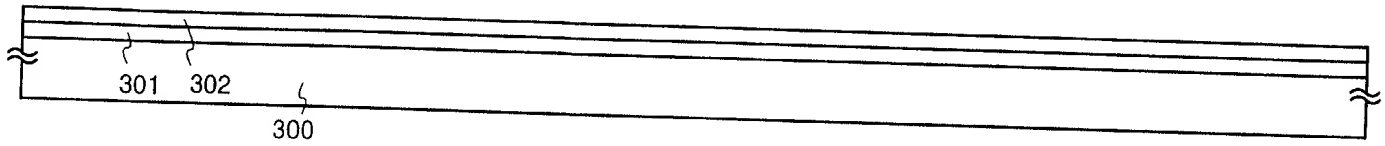


Fig. 4B

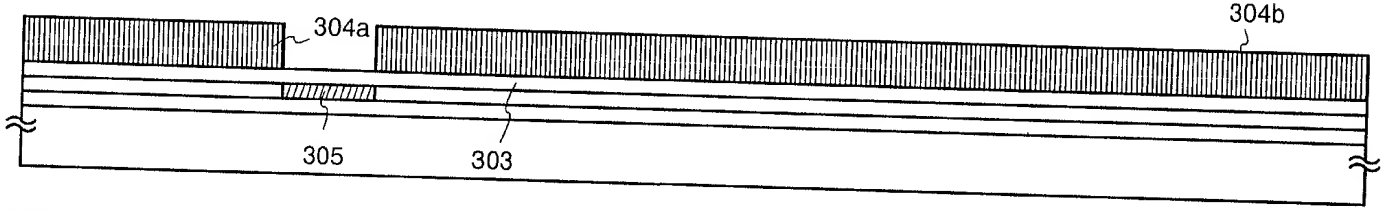


Fig. 4C

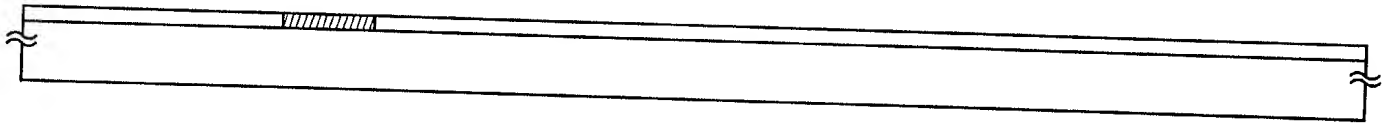


Fig. 4D

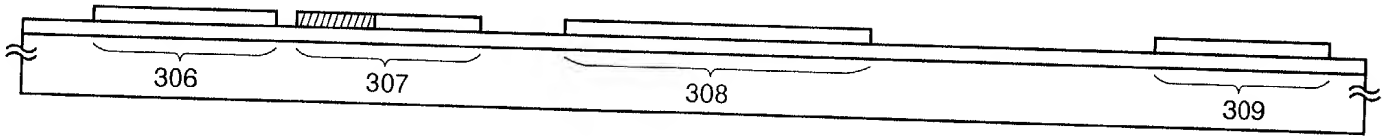
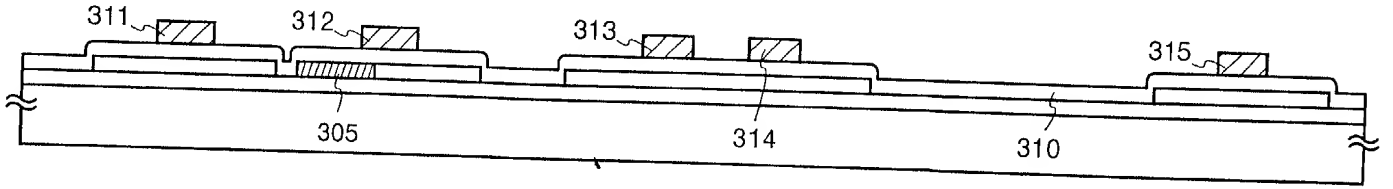


Fig. 4E



300:glass substrate 301:base film 302:polysilicon film 303:protecting film 304a,304b:resist mask
305:n-type impurity region 306-309:active layer 310:gate insulating film 311-315:gate electrode

Fig. 5A

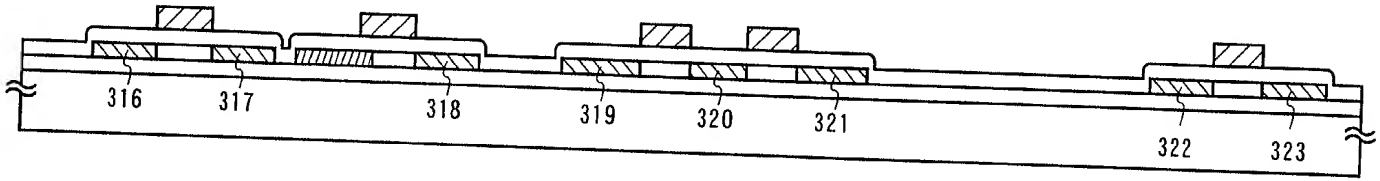


Fig. 5B

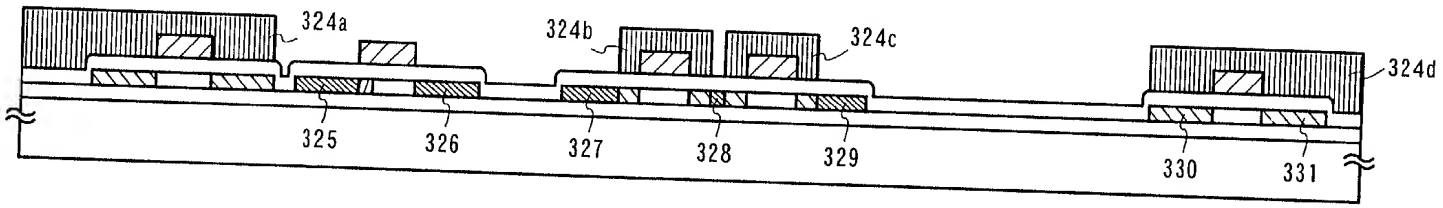


Fig. 5C

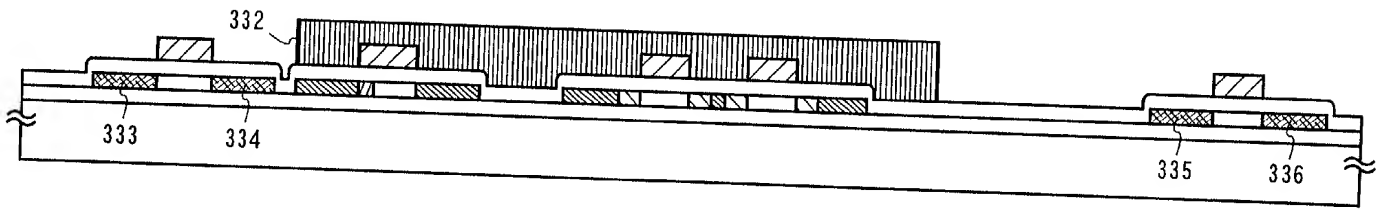
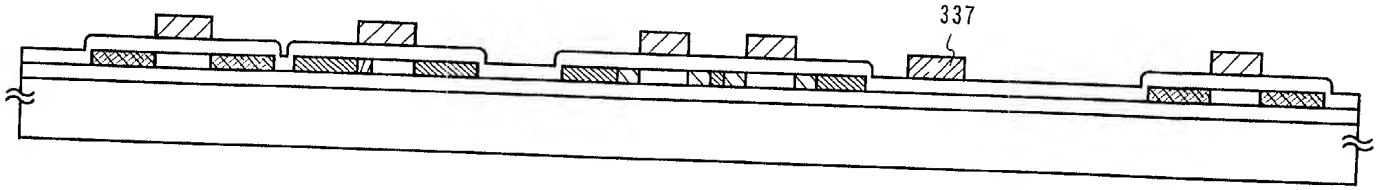


Fig. 5D

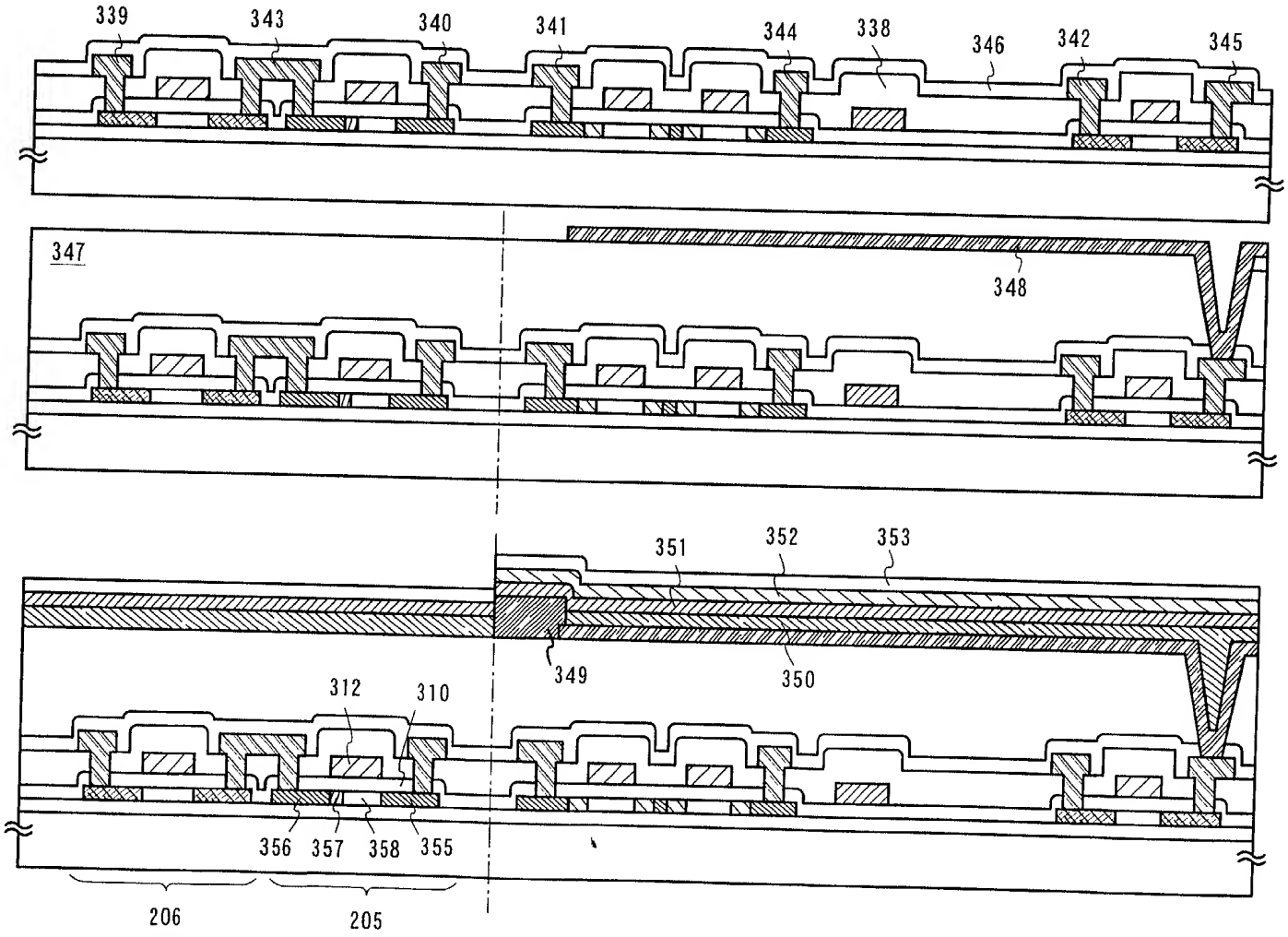


316-323:n-type impurity region(c) 324a-324d, 332:Resist Mask 325-329:n-type inpurity region(a)
333-336:p-type impurity region(a) 337:Gate Wiring

Fig. 6A

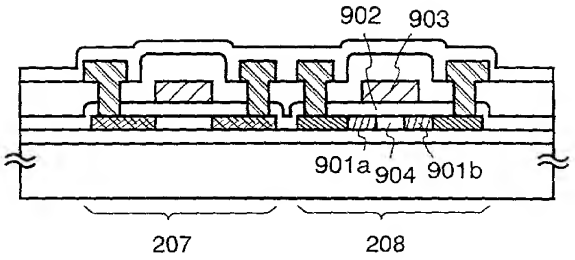
Fig. 6B

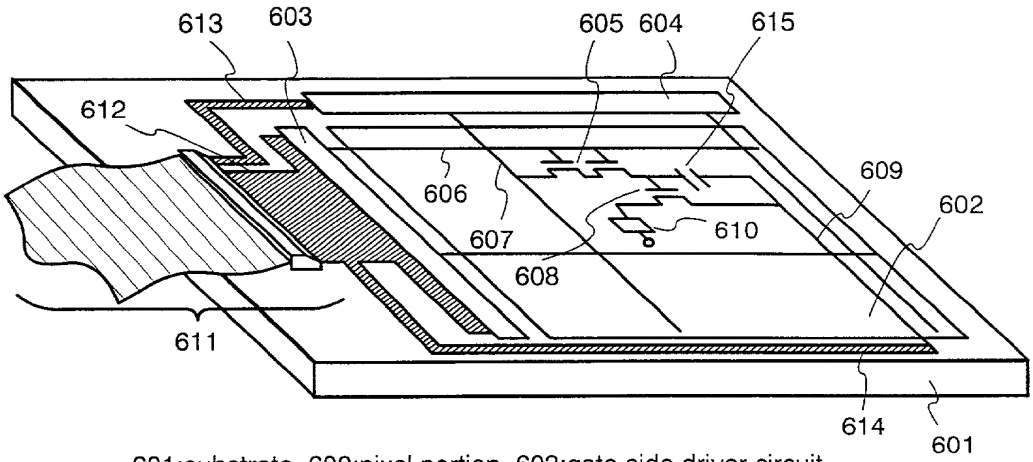
Fig. 6C



338:first interlayer insulating film 339-342:source wiring 343-345:drain wiring
346:first passivation film 347:second interlayer insulating film 348:pixel electrode
349:bank 350:EL layer 351:cathode 352:protecting electrode 353:second passivation film

Fig. 7





601:substrate 602:pixel portion 603:gate side driver circuit
604:source side driver circuit 605:switching TFT 606:gate wiring
607:source wiring 608:current control TFT 609:electric power supply
610:EL element 611:FPC 612-514:input/output terminal 615:capacitor

Fig. 8

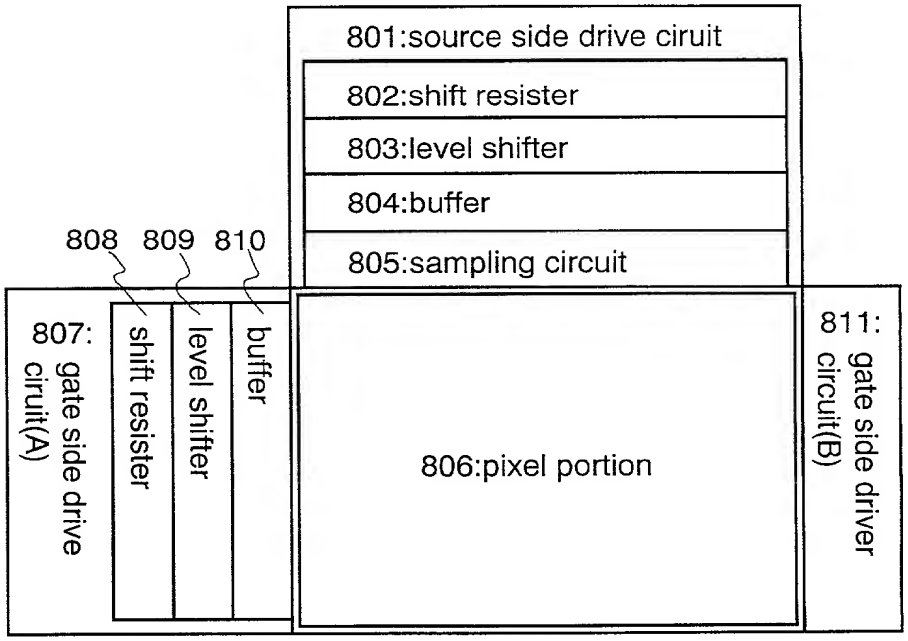


Fig. 9

Powered by eGrabber

Fig. 10A

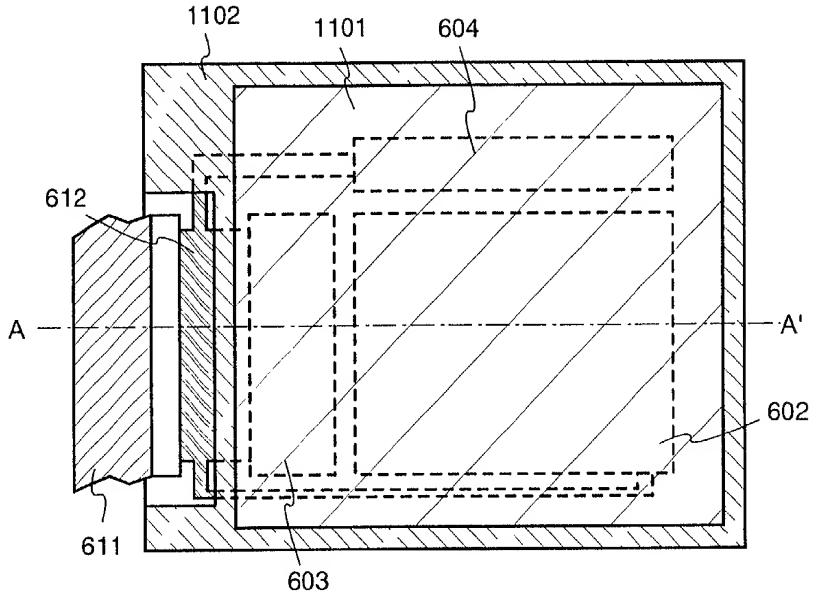


Fig. 10B

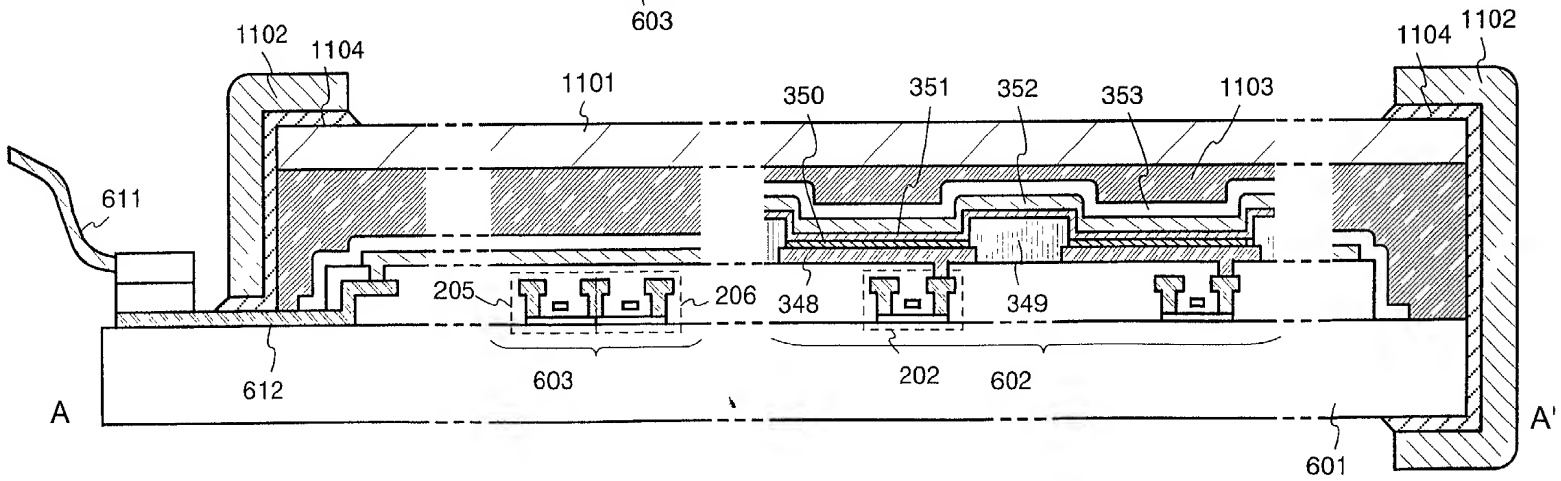


Fig. 11A

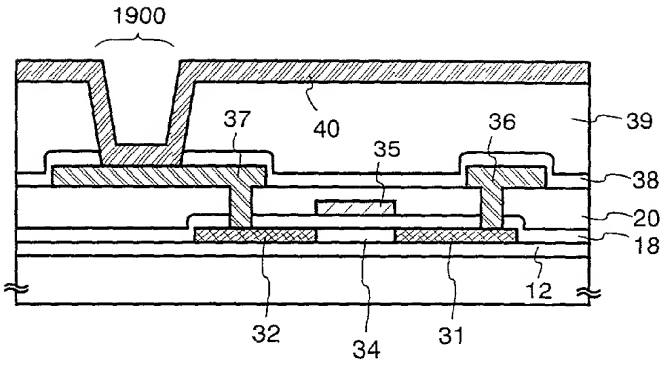


Fig. 11B

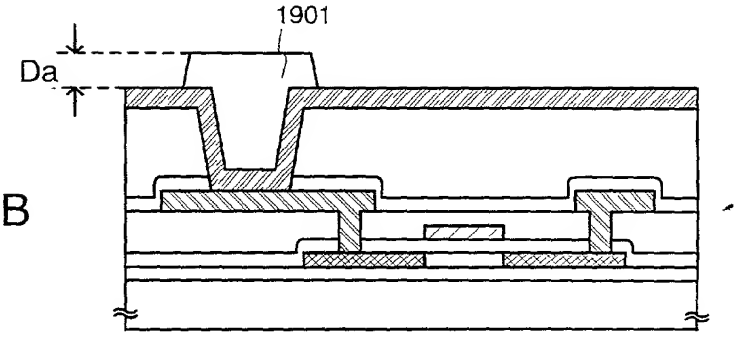
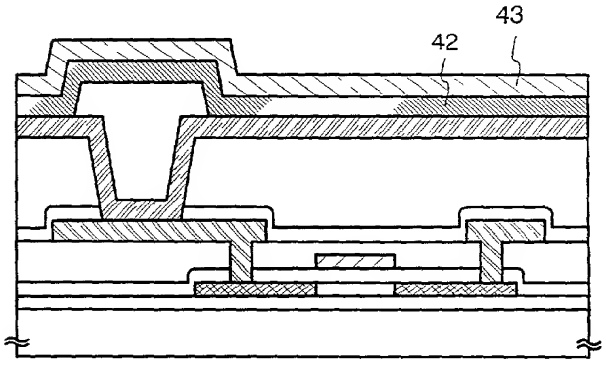


Fig. 11C



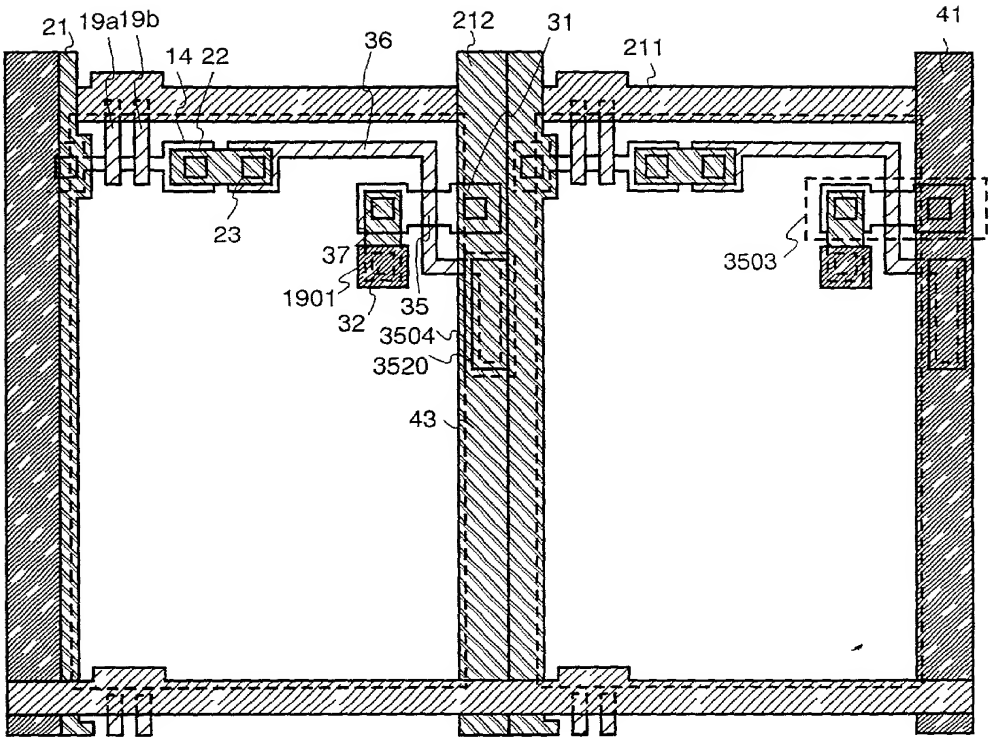

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Fig. 12

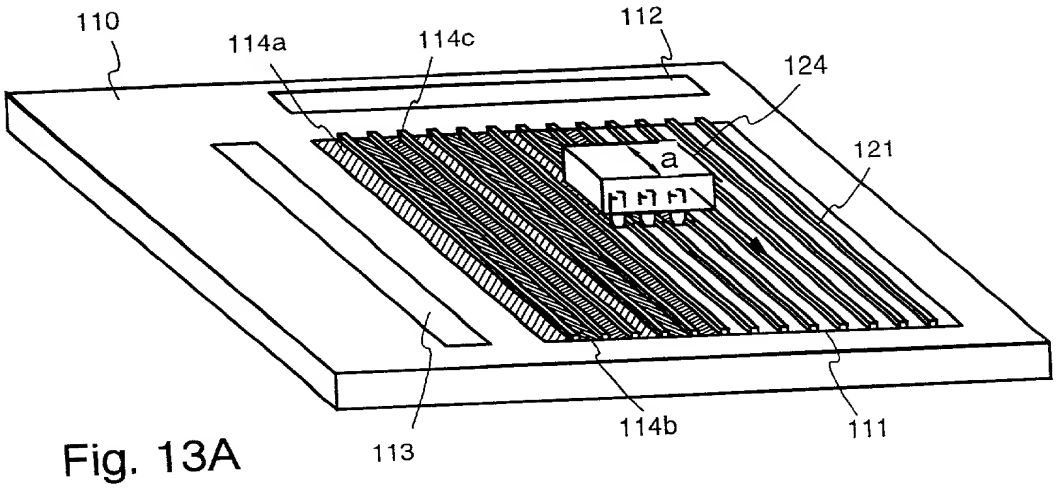


Fig. 13A

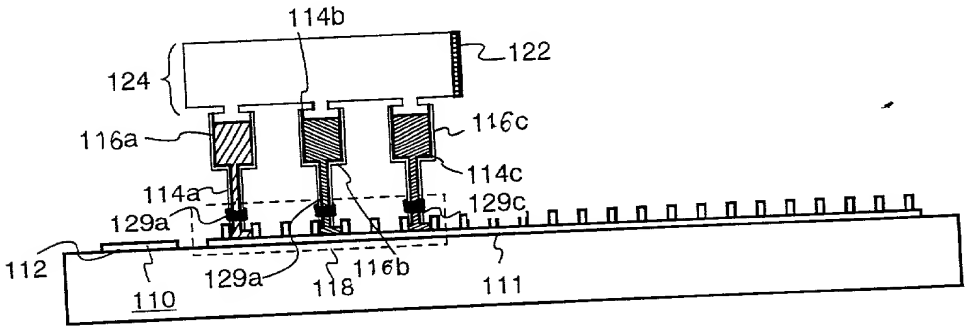


Fig. 13B

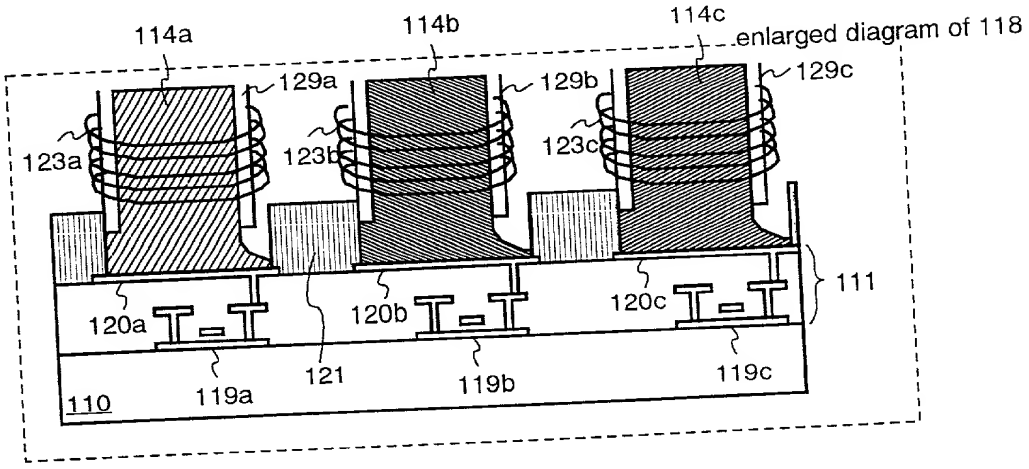


Fig. 13C

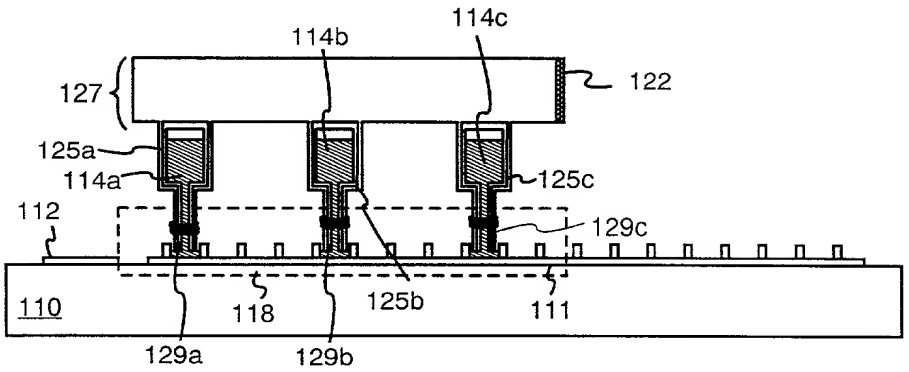


Fig. 14A

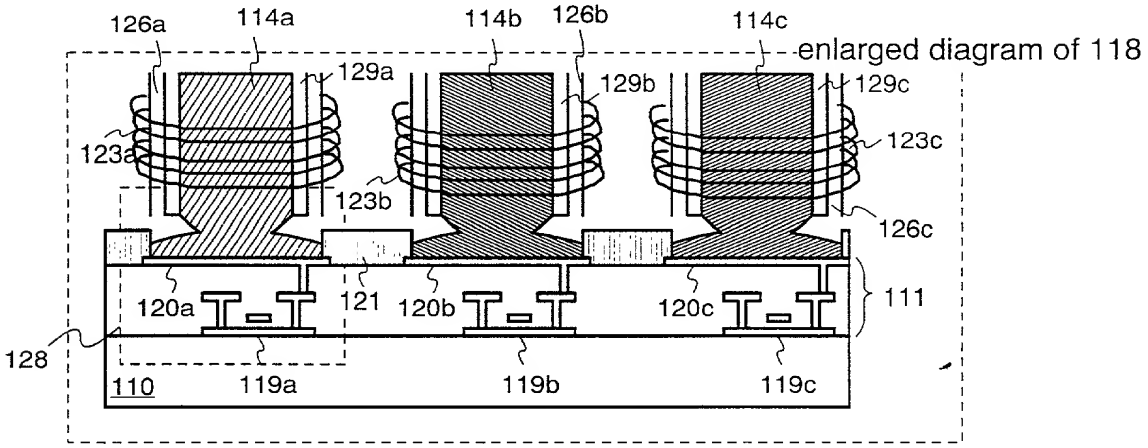


Fig. 14B

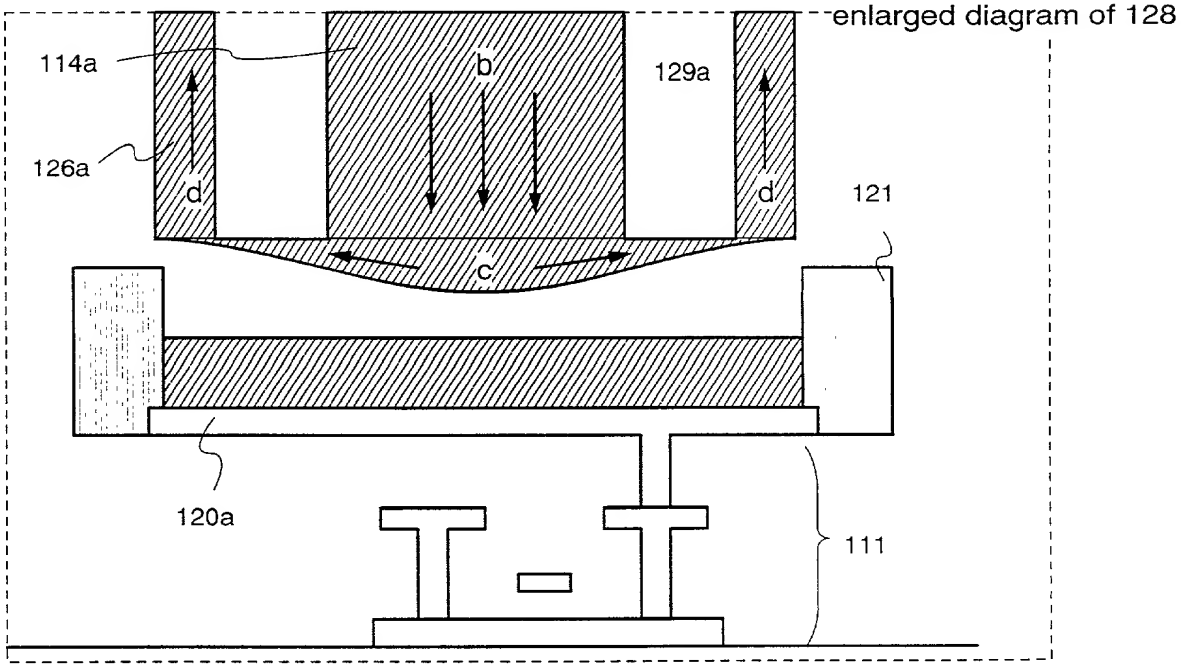


Fig. 14C

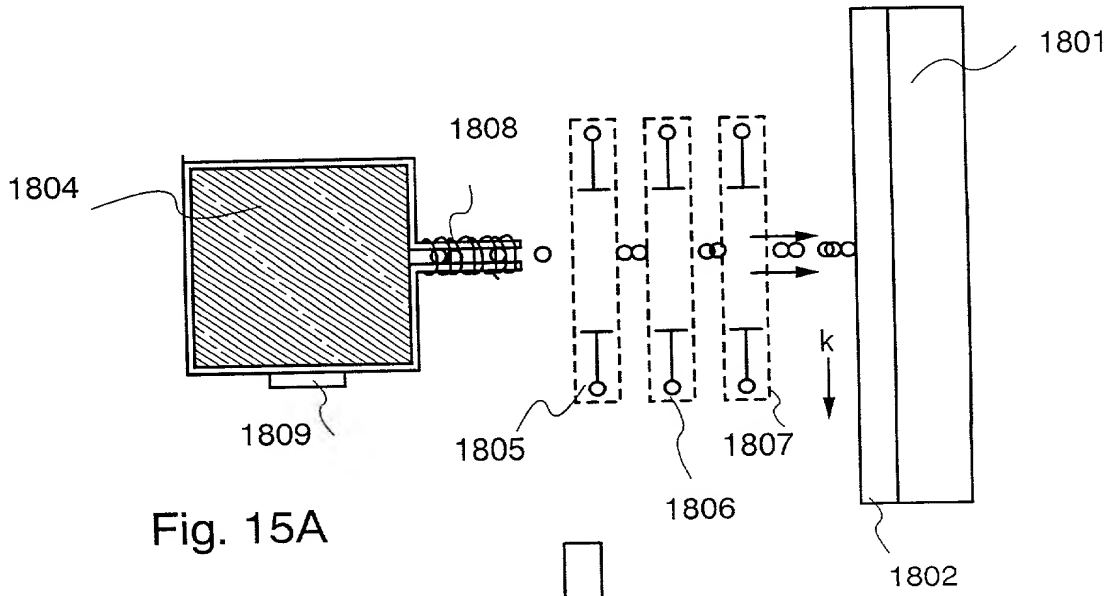


Fig. 15A

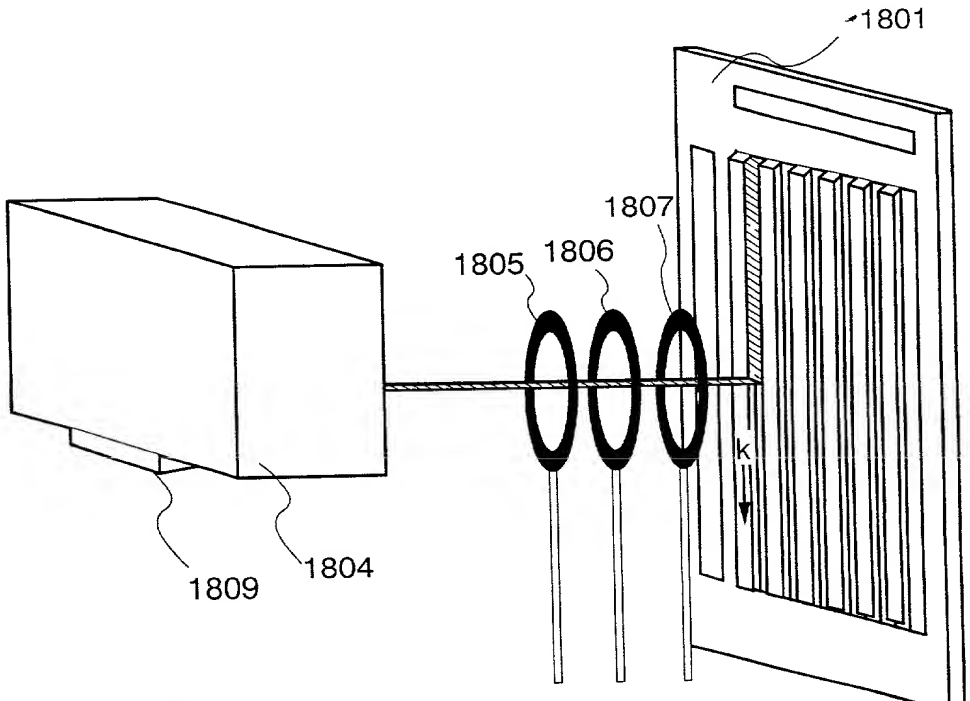


Fig. 15B

Fig. 16A

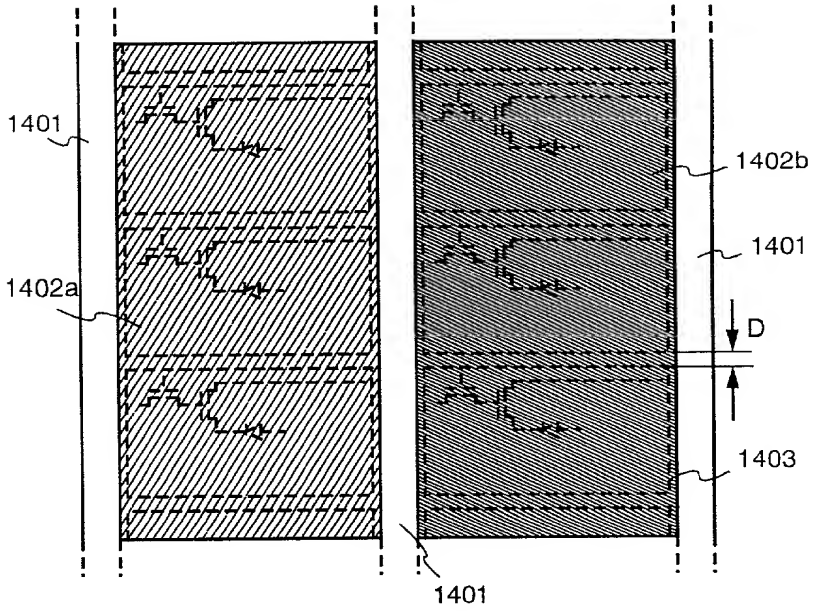
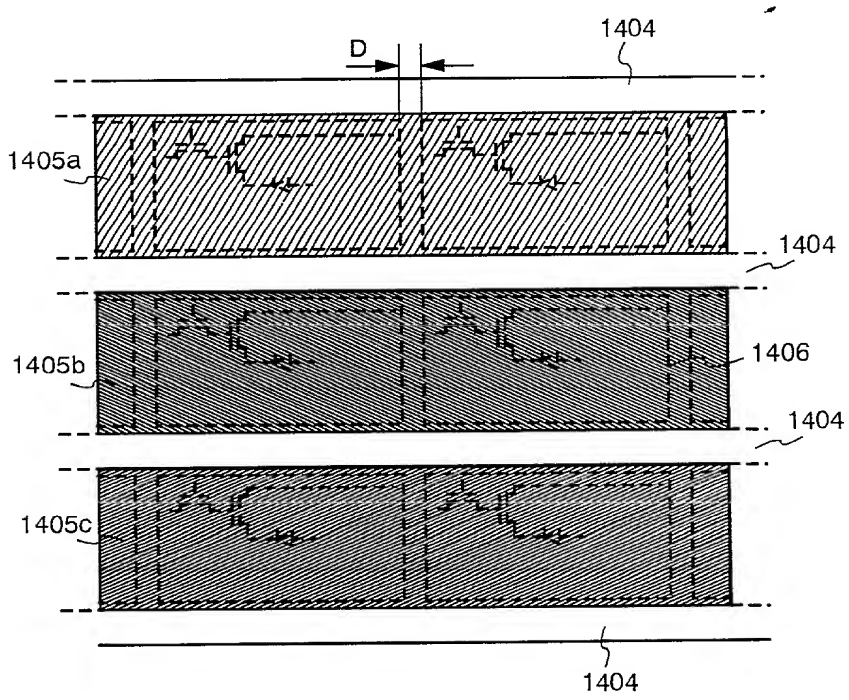


Fig. 16B



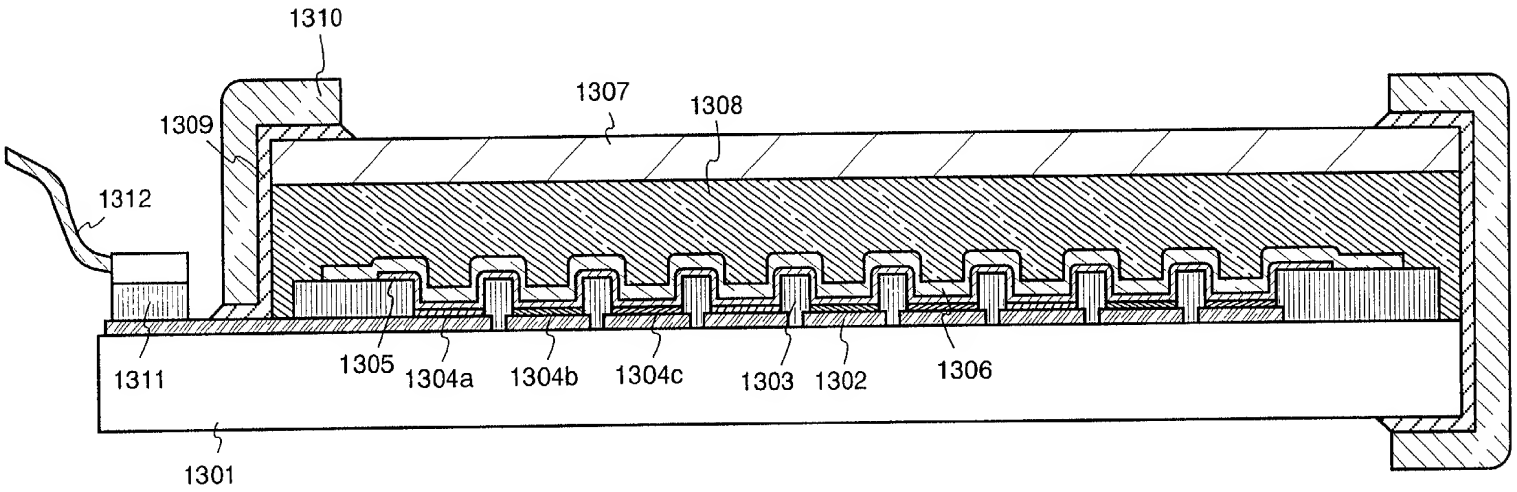

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Fig. 17

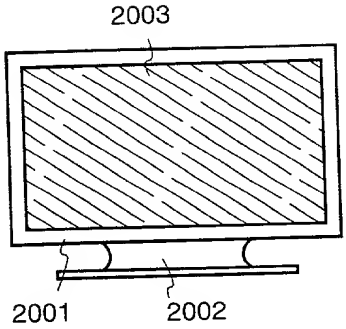

Fig. 18A

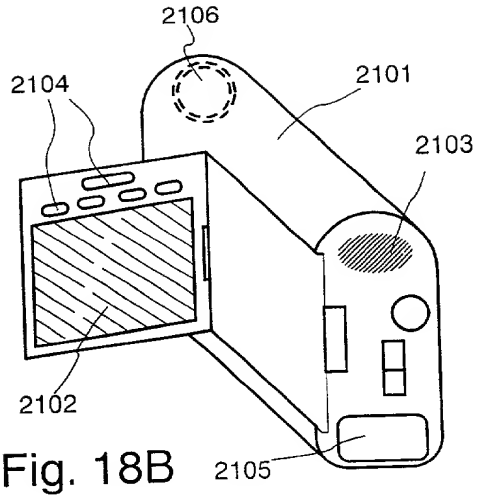

Fig. 18B

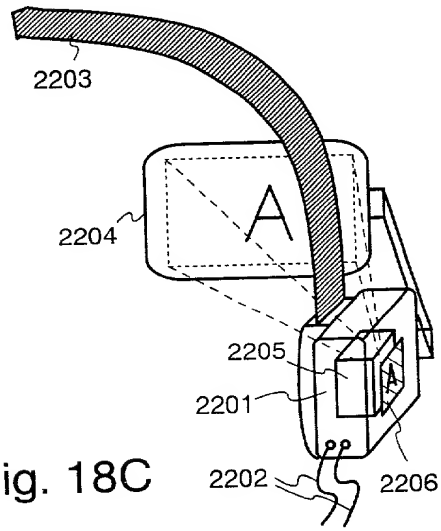

Fig. 18C

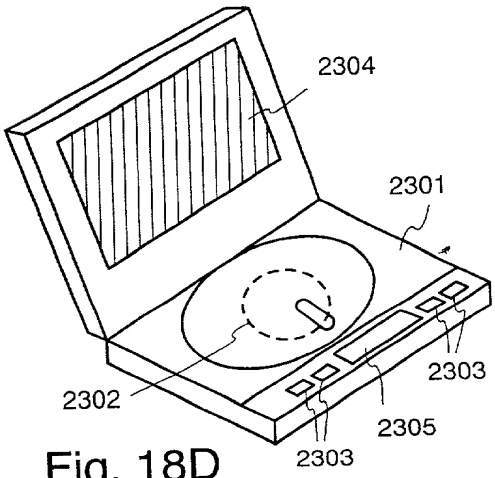

Fig. 18D

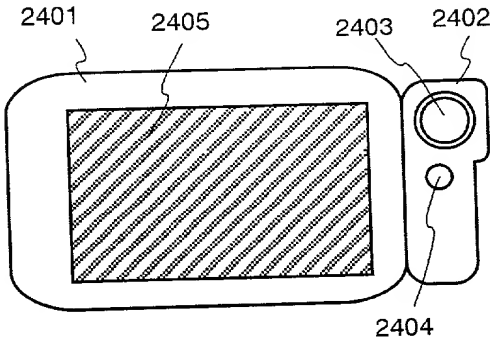

Fig. 18E

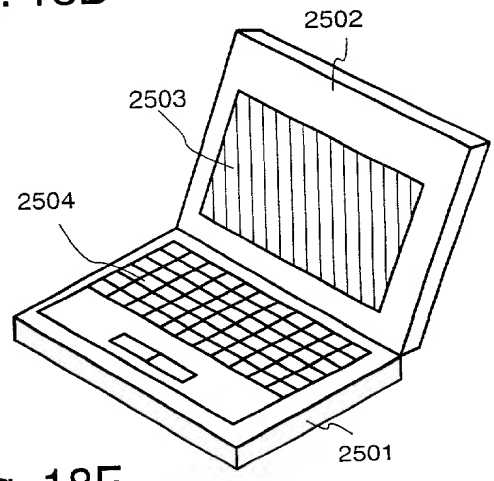

Fig. 18F

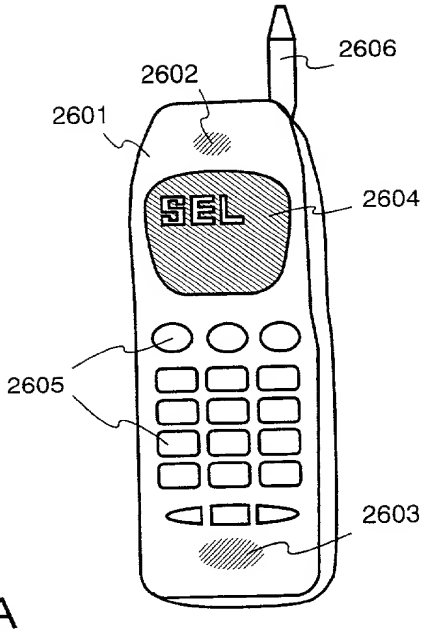

Fig. 19A

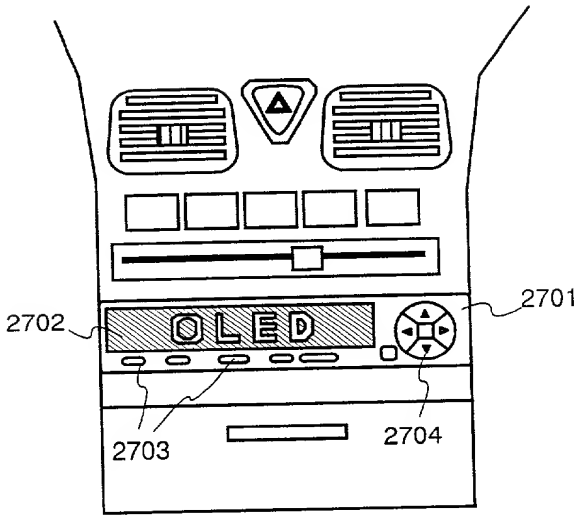

Fig. 19B

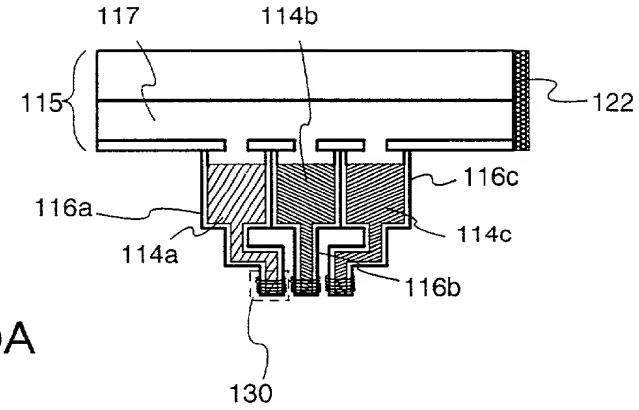

Fig. 20A

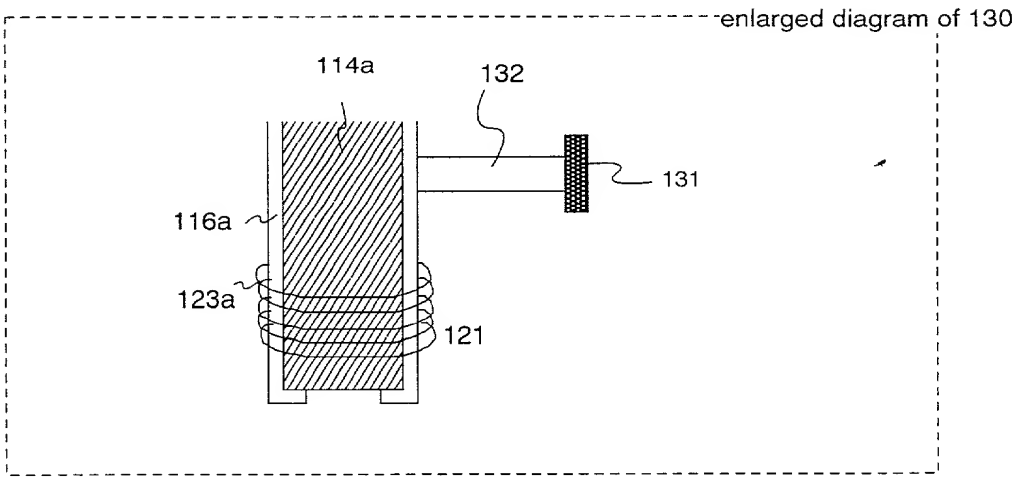

Fig. 20B